Orbis OB251232

Orbis MINI T QRD 230 V Daily Timer Switch

Instruction Manual - Model: OB251232

Introduction

This manual provides essential instructions for the safe installation, setup, and operation of the Orbis MINI T QRD 230 V Daily Timer Switch. Please read this document thoroughly before using the device to ensure proper function and to prevent potential hazards. Keep this manual for future reference.

Safety Information

WARNING: Risk of electrical shock. Installation and maintenance of this device must only be performed by qualified and authorized personnel.

- Always disconnect the main power supply to the circuit before attempting any installation, wiring, or maintenance procedures.
- Ensure that all wiring connections comply with local and national electrical codes and regulations.
- Do not expose the device to water, excessive moisture, or extreme temperatures.
- This timer is designed for indoor use only.
- Verify that the voltage and current ratings of the connected load do not exceed the timer's specifications.

Product Overview

The Orbis MINI T QRD is a universal analog daily timer switch designed for precise, scheduled control of electrical circuits. It features a 24-hour dial for programming and a quartz movement with a 100-hour power reserve to maintain timekeeping during power interruptions.



Image 1: Orbis MINI T QRD Daily Timer Switch. This image displays the front view of the timer, featuring a clear protective cover over the 24-hour dial. The dial is surrounded by blue programming segments. The overall dimensions are indicated as approximately 8 cm (width), 8 cm (height), and 7 cm (depth).

Key Components:

- **24-Hour Dial:** The central rotating dial marked from 0 to 24, used for setting the current time and observing the program.
- **Programming Segments (Blue Tabs):** Small blue tabs located around the 24-hour dial. Each tab typically represents a 15-minute interval. Pushing a tab outwards sets the timer to the ON state for that interval.
- **Time Setting Arrow:** A fixed indicator (often a small triangle or line) on the inner part of the timer, used to align with the current time on the 24-hour dial.
- **Manual Override Switch:** A small lever or switch (e.g., marked 'ON', 'AUTO', 'OFF') that allows for temporary manual control of the connected device, overriding the programmed schedule.
- **Connection Terminals:** Electrical connection points, typically located on the back or bottom of the unit, for wiring the power supply and the load.

Installation

The Orbis MINI T QRD timer is designed for versatile mounting, suitable for surface installation or within an electrical panel on a DIN rail.

1. **Power Disconnection:** Ensure the main power supply to the circuit where the timer will be installed is completely disconnected at the circuit breaker or fuse box. Verify with a voltage tester.
2. **Mounting:**
    - **Surface Mounting:** Position the timer on a flat, stable surface. Mark and drill holes if necessary, then secure the timer using appropriate screws through its designated mounting points.
    - **DIN Rail Mounting:** Attach the timer securely to a standard 35mm DIN rail within your electrical panel. Ensure it clicks firmly into place.
3. **Wiring:** Connect the electrical wires to the timer's terminals according to the wiring diagram provided on the device itself or in the comprehensive product documentation. Ensure all connections are tight and secure.
    - **Input Power:** Connect the live (L) and neutral (N) wires from your main power supply to the corresponding input terminals on the timer.
    - **Load Output:** Connect the live (L') and neutral (N) wires to the device or appliance you wish to control (the load). The timer switches the live wire to control the load.
4. **Verification:** Before restoring power, carefully double-check all electrical connections to ensure they are correct and secure.

Setup and Programming

Follow these steps to set the current time and program your daily schedule:

1. **Set Current Time:** Gently rotate the entire 24-hour dial clockwise until the current time aligns precisely with the fixed time setting arrow (indicator) on the timer's face. For example, if it's 3 PM, align '15' with the arrow.
2. **Program ON/OFF Times:** The blue segments around the dial are used for programming. Each segment represents a specific time interval (e.g., 15 minutes).
    - To set an **ON** period, push the corresponding blue segments outwards.
    - To set an **OFF** period, leave the corresponding blue segments in their inward position.
3. **Power Reserve:** The integrated quartz movement includes a 100-hour power reserve. This feature ensures that the timer continues to keep accurate time for up to 100 hours during a power outage, eliminating the need for frequent time resets after short power interruptions.

Operation

Once the timer is installed, programmed, and power is restored, it will operate automatically according to your set schedule.

- **Automatic Mode:** In its default operating mode, the timer will automatically switch the connected device ON and OFF based on the positions of the blue programming segments.
- **Manual Override:** If you need to temporarily override the programmed schedule, use the manual override switch. Depending on the model, this switch may have positions like 'ON' (always on), 'AUTO' (follows program), and 'OFF' (always off). Select the desired position for temporary control. Remember to return it to 'AUTO' for programmed operation.

Maintenance

The Orbis MINI T QRD timer is designed for reliable operation with minimal maintenance.

- Keep the device clean and free from dust accumulation. Use a dry, soft cloth for cleaning.
- Do not use harsh chemical cleaners, abrasive materials, or solvents, as these can damage the housing or internal components.
- Periodically inspect the electrical connections to ensure they remain tight and secure, especially after initial installation or if the device has been moved.

Troubleshooting

If you encounter issues with your timer, refer to the following table for common problems and solutions:

Problem	Possible Cause	Solution
Timer does not switch connected device ON/OFF.	No power supply; incorrect programming; manual override engaged; faulty wiring.	Check power supply to the timer; verify programming segments are correctly set (pushed out for ON); ensure manual override switch is in the 'AUTO' position; inspect wiring connections.
Timer is not keeping accurate time.	Prolonged power outage exceeding power reserve; initial time not set correctly.	Reset the current time on the 24-hour dial; ensure power supply is stable. If the issue persists after a long power outage, the power reserve might need to recharge.
Connected device is always ON or always OFF, regardless of program.	Manual override switch is in a fixed 'ON' or 'OFF' position; wiring error.	Check the manual override switch and set it to 'AUTO'; verify wiring connections according to the diagram.

Specifications

Model: OB251232

Type: Analog Daily Timer Switch

Voltage: 230 V

Current Rating: 16 A

Program: Daily (24-hour cycle)

Power Reserve: 100 hours (Quartz movement)

Mounting: Surface or DIN Rail

Protection Class: IP20

Material: Metal (internal components), Plastic (housing)

Dimensions (W x H x D): Approximately 8 cm x 8 cm x 7 cm (3.15 in x 3.15 in x 2.76 in)

Weight: 208 Grams

Warranty and Support

For detailed warranty information, technical assistance, or to inquire about replacement parts, please visit the official Orbis website or contact your authorized Orbis distributor. Please retain your purchase receipt as proof of purchase for

warranty claims.

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Question

Example: How do I reset this device or fix this error?

Details

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